

Argentina

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Argentine Renewables Program

- Rural concessions in Salta and Jujuy
- Wind/diesel retrofits in Patagonia
- Wind mapping and water pumping in La Rioja
- Solar home systems in Misiones
- Rural schools in Santa Fe and Buenos Aires

Rural Concessions Projects

- Assistance to develop a program for private utilities to bid for concessions to supply energy services in rural areas
- Use of renewable systems encouraged but not mandatory
- The two provinces of Salta and Jujuy used as pilot cases
- Working with the Secretaría de Energía, NREL has developed models that estimate the cash flow and profitability of private companies operating rural concessions for use throughout Argentina.
- NREL is continuing to collaborate with Ente Regulador de los Servicios Públicos in Salta.



A wind/PV hybrid power system in Jujuy Province



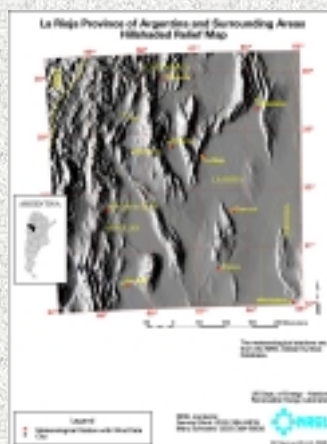
Atlantic Orient 15/50, a 50-kW wind turbine to be used in the Tres Lagos wind/diesel retrofit project

Tres Lagos Diesel Retrofit Pilot Project

- Project being managed by BPG Development for Santa Cruz Pública Servicio de Electricidad with design and financial support from NREL and the Argentine Secretariat of Energy
- Retrofitting of a 250-kW diesel power station in the remote community of Tres Lagos. The station will be used as a demonstration for the dozens of diesel power stations in the remote Patagonia region with access to good wind resource potential.
- System contracting in final stages, installation in early 2001
- Santa Cruz Province in the southern Patagonia region
- Approximately \$350,000 funded by all project partners

Wind Mapping in La Rioja Province

- NREL and the government of La Rioja Province are collaborating on a program to assess the wind resource in the province and to create wind-energy maps of La Rioja.
- The province will conduct a wind measurement program, using 10 60-m towers and 19 24-m towers.
- NREL will provide training and technical assistance to the province, and will perform the final analysis and wind mapping.



Future wind resource exploration areas of La Rioja Province of Argentina and surrounding areas